Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): Variable focus spectacles comprising a spectacle frame and at least one variable power lens, wherein said lens comprises a transparent rear wall ~~(110)~~, a transparent front wall ~~(120)~~, a cavity ~~(140)~~ formed between the transparent front wall ~~(120)~~ and the transparent rear wall ~~(110)~~, first and second immiscible fluids of differing refractive index contained within said cavity, and electrodes ~~(150,160)~~ to which a potential difference may be applied to change a contact angle between an interface layer of the two fluids and the front wall of the lens.

Claim 2 (currently amended): The variable focus spectacles of claim 1, wherein the transparent front wall ~~(120)~~ joins with the transparent rear wall ~~(110)~~ at peripheral regions thereof to form an acute internal angle at their joining region.

Claim 3 (previously presented): The variable focus spectacles of claim 1, wherein the first and second fluids are of substantially identical specific gravity.

Claim 4 (currently amended): The variable focus spectacles of claim 1, wherein the electrodes comprise a ring-type electrode ~~(150)~~ which extends around an internal periphery of the transparent front wall ~~(120)~~, so as to form a first electrical contact and a further electrode adjacent an internal surface of the rear wall.

Claim 5 (currently amended): The variable focus spectacles of claim 1, wherein the first fluid is the fluid nearest the transparent front wall ~~(120)~~, whilst the second fluid is the fluid having a boundary with the

transparent rear wall ~~(110)~~ and the first fluid comprises an oil, whilst the second fluid comprises an electrolyte.

Claim 6 (original): The variable focus spectacles of claim 5, wherein the second fluid comprises a water /salt mixture having a refractive index different to the refractive index of the first fluid.

Claim 7 (currently amended): The variable focus spectacles of claim 1, further comprising adjustment means for adjusting the strength of an electric field to be applied between the electrodes ~~(150,160)~~.

Claim 8 (original): The variable focus spectacles of claim 7, wherein the adjustment means comprises manual adjustment means.

Claim 9 (original): The variable focus spectacles of claim 8, wherein the manual adjustment means comprises a variable resistor.

Claim 10 (previously presented): The variable focus spectacles of claim 7, wherein the adjustment means comprises automatic adjustment means for varying the focal length of the spectacles dependent upon a perceived distance of an object to be viewed.

Claim 11 (currently amended): The variable focus spectacles of claim 10, wherein the automatic adjustment means comprises a focal length determiner ~~(230)~~, a control unit ~~(280)~~ and a power supply V, wherein a reflected range finding signal from the focal length determiner ~~(230)~~ is processed by the control unit ~~(280)~~ to determine the desired focal length of the glasses and an appropriate output signal is passed to the electrodes ~~(150,160)~~ to bring about auto-focusing.

Claim 12 (currently amended): The variable focus spectacles of claim 11, wherein the focal length determiner ~~(230)~~ comprises a transducer mounted on the spectacle frame.

Claim 13 (currently amended): The variable focus spectacles of claim 7, further comprising lens strength determining means for measuring the strength of the lenses ~~(100A, 100B)~~.

Claim 14 (currently amended): Variable focus lens comprising a transparent rear wall ~~(110)~~, a transparent front wall ~~(120)~~, a cavity ~~(140)~~ formed between the transparent front wall ~~(120)~~ and the transparent rear wall ~~(110)~~, first and second immiscible fluids of differing refractive index contained within said cavity, and electrodes ~~(150,160)~~ to which a potential difference may be applied to change a contact angle between an interface layer of the two fluids and the front wall of the lens.